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Conjugative plasmid
Conjugation; Resistance transfer (Udo, E.E. (72) 183)

Conjugative transposon
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D2 group; Chemotaxonomy (Herrera-Alcaraz, E.A. (72) 341)

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Ruminococcus flavefaciens; Scanning electron microscopy (Stewart, C.S. (72) 47)

CPSase-ATCase
Repression; Feedback; UTP (Potier, S. (72) 215)

Cyclic AMP
Cholera toxin; Arachidonic acid; Prostaglandin; Phospholipase; Murine macrophage cell (Liang, Y.-f. (72) 137)

Osmotic stress; Osmoregulation; 2-Dimensional electrophoresis; Quantitative analysis of proteins (Botsford, J.L. (72) 355)

Cysteine mutant strain
Syringomycin production; *Pseudomonas syringae* pv. *syringae*; Wild type strain (Garriga, X. (72) 177)

Cysteine proteinase
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Defective phage
Bacillus natto; Host chromosomal DNA packaging; Induction with bleomycin and mitomycin C (Tsutsumi, Y. (72) 41)

Deletion mutants
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Deletions
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Detection
Escherichia coli; *Shigella*; *Uid* Genes; Probe; Polymerase chain reaction (Cleuziat, P. (72) 315)

D2 group
Corynebacterium; Chemotaxonomy (Herrera-Alcaraz, E.A. (72) 341)

Dictyostelium mucoroides
Macrocyst; Cysteine proteinase (North, M.J. (72) 153)

2-Dimensional electrophoresis
Osmotic stress; Osmoregulation; Quantitative analysis of proteins; Cyclic AMP (Botsford, J.L. (72) 355)

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Minicell; Penicillin-binding protein 2; *RodA* Gene (Rodriguez, M.C. (72) 235)

DNA-DNA hybridization
Mycobacteria; Sonication; DNA probes (Rahav, G. (72) 29)

DNA probes
Mycobacteria; Sonication; DNA-DNA hybridization (Rahav, G. (72) 29)

cDNA transcription
Leptospira interrogans; Ribosomal RNA cistron; Biotin labelling (Hookey, J.V. (72) 329)

L-DOPA
Tyrosine conversion; Intermittent feeding (Chattopadhyay, S. (72) 195)

DRC1
Lactococcus lactis; Bacteriocin; Bacteriophage resistance; Conjugation (Powell, I.B. (72) 209)

***E. coli* genes**
lon Gene; *dnaKJ* Gene; *groESL* Gene; *htpG* Gene; Transcriptional fusion; β-Galactosidase; CAT (Wetzstein, M. (72) 55)

Electrophoresis
'Campylobacter upsaliensis'; Chromosomal DNA; Restriction endonuclease digestion (Owen, R.J. (72) 5)

Electroporation
Transformation efficiency (Hermans, J. (72) 221)

Escherichia coli; Lambda phage; Transfection (Powell, R. (72) 225)

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Acinetobacter; Esterase; Epidemiology; Zymotype (Picard, B. (72) 229)

Endoglucanase
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Enterococcus faecalis
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Epidemiology
Acinetobacter; Electrotype; Esterase; Zymotype (Picard, B. (72) 229)

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Flagellin; H antigen; H serotype; Monoclonal antibody (Schoenhals, G. (72) 117)

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Shigella; Detection; *Uid* Genes; Probe; Polymerase chain reaction (Cleuziat, P. (72) 315)

Esterase
Acinetobacter; Electrotype; Epidemiology; Zymotype (Picard, B. (72) 229)

Ethanol
Fermentation; *Pachysolen tannophilus*; Pentose; Temperature; Yeast; Xylitol; Xylose (De F.S. Barbosa, M. (72) 35)

Expression
Streptococcus equisimilis; Streptokinase; *ske* Gene; Campbell-like integration (Müller, J. (72) 75)

Feedback
Repression; UTP; CPSase-ATCase (Potier, S. (72) 215)

Fermentation
Ethanol; *Pachysolen tannophilus*; Pentose; Temperature; Yeast; Xylitol; Xylose (De F.S. Barbosa, M. (72) 35)

Flagellin
Escherichia coli; H antigen; H serotype; Monoclonal antibody (Schoenhals, G. (72) 117)

Free and immobilized cells
Photosynthetic bacterium; Hydrogen photoproduction; Nitrogenase/hydrogenase (Sasikala, K. (72) 23)

Freezing protection
Heat shock; Hydrophobic hydration (Komatsu, Y. (72) 159)

Fusion proteins
Bacillus sphaericus; Mosquitocidal toxins; Deletion mutants (Oei, C. (72) 265)

β-Galactosidase
E. coli genes; *lon* Gene; *dnaKJ* Gene; *groESL* Gene; *htpG* Gene; Transcriptional fusion; CAT (Wetzstein, M. (72) 55)

***dnaKJ* Gene**
E. coli genes; *lon* Gene; *groESL* Gene; *htpG* Gene; Transcriptional fusion; β-Galactosidase; CAT (Wetzstein, M. (72) 55)

***groESL* Gene**
E. coli genes; *lon* Gene; *dnaKJ* Gene; *htpG* Gene; Transcriptional fusion; β-Galactosidase; CAT (Wetzstein, M. (72) 55)

***htpG* Gene**
E. coli genes; *lon* Gene; *dnaKJ* Gene; *groESL* Gene; Transcriptional fusion; β-Galactosidase; CAT (Wetzstein, M. (72) 55)

***lon* Gene**
E. coli genes; *dnaKJ* Gene; *groESL* Gene; *htpG* Gene; Transcriptional fusion; β-Galactosidase; CAT (Wetzstein, M. (72) 55)

***RodA* Gene**
Minicell; Penicillin-binding protein 2; Division (Rodriguez, M.C. (72) 235)

***ske* Gene**
Streptococcus equisimilis; Streptokinase; Campbell-like integration; Expression (Müller, J. (72) 75)

***spoOA* Gene**
Bacillus subtilis; Inosine production; Metabolism of purines (Maznitsa, I.I. (72) 173)

***Uid* Genes**
Escherichia coli; *Shigella*; Detection; Probe; Polymerase chain reaction (Cleuziat, P. (72) 315)

Gene product
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Genome analysis
Legionella ssp.; Orthogonal field attenuation gel electrophoresis (Bender, L. (72) 253)

Genome size
Macrorestriction pattern analysis; *Streptomyces ambofaciens*; Pulsed-field gel electrophoresis; Concatemeric linear molecule; Intraspecific polymorphism (Leblond, P. (72) 79)

Plasmid copy number; Plasmid stability (Allen, S.P. (72) 323)

Glucose concentration
Malate utilisation; Catabolite repression (Rodriguez, S.B. (72) 17)

Glucosyltransferase
Streptococcus mutans; Deletions (Kato, C. (72) 299)

Glycerol oxidation
Chemostat culture; Mycoplasma metabolism (Wadher, B.J. (72) 127)

Glycolipids
Colonization factors; Enterotoxigenic *E. coli* (Sporsem Orø, H. (72) 289)

Great Bay estuary
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GroEL homologue
Rhodobacter sphaeroides; Chaperonin (Watson, G.M.F. (72) 349)

Haemin
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H antigen
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Heat shock
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Host chromosomal DNA packaging
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H serotype
Escherichia coli; Flagellin; H antigen; Monoclonal antibody (Schoenhals, G. (72) 117)

Hybrid enzyme system
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Hydrogen photoproduction
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Hydrophobic hydration
Heat shock; Freezing protection (Komatsu, Y. (72) 159)

Induction with bleomycin and mitomycin C
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L-DOPA; Tyrosine conversion (Chattopadhyay, S. (72) 195)

Intraspecific polymorphism
Macrorestriction pattern analysis; *Streptomyces ambofaciens*; Pulsed-field gel electrophoresis; Concatemeric linear molecule; Genome size (Leblond, P. (72) 79)

Irreversible binding
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K^+ efflux
Pseudomonas syringae; Pool metabolites (Cabral, J.P.S. (72) 109)

Lactococcus lactis
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Lactococcus lactis* subsp. *lactis
Molecular cloning; Intergeneric complementation; *recA* functions (Novel, M. (72) 309)

Lambda phage
Electroporation; *Escherichia coli*; Transfection (Powell, R. (72) 225)

***Legionella* ssp.**
Genome analysis; Orthogonal field attenuation gel electrophoresis (Bender, L. (72) 253)

Leptospira interrogans
Ribosomal RNA cistron; cDNA transcription; Biotin labelling (Hookey, J.V. (72) 329)

Lethal activity
Clostridium perfringens epsilon toxin; Chemical modification; Pressor activity; Contractile response (Nagahama, M. (72) 59)

Listeria
Hepatocyte; Toxicity; Pathogenicity; *Listeria monocytogenes*; *Listeria ivanovii* (Huang, J.C. (72) 249)

Listeria ivanovii
Listeria; Hepatocyte; Toxicity; Pathogenicity; *Listeria monocytogenes* (Huang, J.C. (72) 249)

Listeria monocytogenes
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Macrocyst
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Macrolide antibiotic
Bactericidal effect; Irreversible binding; TMS-19-Q (Endou, K. (72) 93)

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γ-*N*-Methylglutamine
Ammonium uptake; Methylammonium; *Pseudomonas aeruginosa* (Jahns, T. (72) 131)

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Lactococcus lactis subsp. *lactis*; Intergeneric complementation; *recA* functions (Novel, M. (72) 309)

Monoclonal antibody
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Botulinum neurotoxin; Synaptosome (Park, M.K. (72) 243)

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Murine macrophage cell
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Mycobacteria
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Mycoplasma
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Mycoplasma metabolism
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Neocallimastix frontalis
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Neutrophil
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Nitrogenase/hydrogenase
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Nucleoside triphosphate hydrolase
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Obligate methanotroph
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Orthogonal field attenuation gel electrophoresis
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Osmoregulation
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Osmotic stress
Osmoregulation; 2-Dimensional electrophoresis; Quantitative analysis of proteins; Cyclic AMP (Botsford, J.L. (72) 355)

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Penicillin-binding protein 2
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Penicillin G
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Penicillium chrysogenum
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Ethanol; Fermentation; *Pachysolen tannophilus*; Temperature; Yeast; Xylitol; Xylose (De F.S. Barbosa, M. (72) 35)

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Seminalplasmin (Chitnis, S.N. (72) 281)

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Phospholipase
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Photosynthetic bacterium
Hydrogen photoproduction; Nitrogenase/hydrogenase; Free and immobilized cells (Sasikala, K. (72) 23)

Plasmid
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Enterococcus faecalis; Tetracycline resistance; Chromosome; Conjugative transposon (Horaud, T. (72) 189)

Plasmid copy number
Plasmid stability; Genome size (Allen, S.P. (72) 323)

Plasmid stability
Plasmid copy number; Genome size (Allen, S.P. (72) 323)

Plasmid transformation
Mycoplasma; Replica filters (Sundström, T.K. (72) 147)

Plasmid vector
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Polymerase chain reaction
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Pool metabolites
Pseudomonas syringae; K^+ efflux (Cabral, J.P.S. (72) 109)

Porphyromonas gingivalis
Haemin; Trypsin-like protease (Harper, S.U.F. (72) 169)

Pressor activity
Clostridium perfringens epsilon toxin; Chemical modification; Lethal activity; Contractile response (Nagahama, M. (72) 59)

Probe
Escherichia coli; *Shigella*; Detection; *Uid* Genes; Polymerase chain reaction (Cleuziat, P. (72) 315)

Prostaglandin
Cholera toxin; Arachidonic acid; Phospholipase; Cyclic AMP; Murine macrophage cell (Liang, Y.-f. (72) 137)

Pseudomonas aeruginosa
Ammonium uptake; Methylammonium; γ-*N*-Methylglutamine (Jahns, T. (72) 131)

Pseudomonas putida
Hybrid enzyme system; Penicillin G; *Penicillium chrysogenum* (Martínez-Blanco, H. (72) 163)

Pseudomonas syringae
K^+ efflux; Pool metabolites (Cabral, J.P.S. (72) 109)

Pseudomonas syringae* pv. *syringae
Syringomycin production; Cysteine mutant strain; Wild type strain (Garriga, X. (72) 177)

Pulsed-field gel electrophoresis
Macrorestriction pattern analysis; *Streptomyces ambofaciens*; Concatemeric linear molecule; Genome size; Intraspecific polymorphism (Leblond, P. (72) 79)

Quantitative analysis of proteins
Osmotic stress; Osmoregulation; 2-Dimensional electrophoresis; Cyclic AMP (Botsford, J.L. (72) 355)

Replica filters
Plasmid transformation; *Mycoplasma* (Sundström, T.K. (72) 147)

Repression
Feedback; UTP; CPSase-ATCase (Potier, S. (72) 215)

Resistance transfer
Conjugation; Conjugative plasmid (Udo, E.E. (72) 183)

Restriction endonuclease digestion
'*Campylobacter upsaliensis*'; Chromosomal DNA; Electrophoresis (Owen, R.J. (72) 5)

Restriction modification
Brevibacterium lactofermentum; Phage CL31 (Bonnassie, S. (72) 143)

Rhamnose
Transport; Gene product; *Escherichia coli* (Baldomá, L. (72) 103)

Rhodobacter sphaeroides
Chaperonin; GroEL homologue (Watson, G.M.F. (72) 349)

Ribosomal RNA cistron
Leptospira interrogans; cDNA transcription; Biotin labelling (Hookey, J.V. (72) 329)

Rumen
β-Xylosidase; Anaerobic fungus; *Neocallimastix frontalis* (Hebraud, M. (72) 11)

Ruminococcus flavefaciens
Cotton degradation; Scanning electron microscopy (Stewart, C.S. (72) 47)

Salivary histidine-rich peptide
Hemagglutination; *Bacteroides gingivalis* (Murakami, Y. (72) 275)

Scanning electron microscopy
Ruminococcus flavefaciens; Cotton degradation (Stewart, C.S. (72) 47)

Seminalplasmin
Peptidoglycan synthesis inhibitor (Chitnis, S.N. (72) 281)

Shellfish-borne disease
Great Bay estuary; Water-borne disease; Bacterial pathogen; Environmental isolation (O'Neill, K.R. (72) 113)

Shigella
Escherichia coli; Detection; *Uid* Genes; Probe; Polymerase chain reaction (Cleuziat, P. (72) 315)

Streptococcus mutans
Glucosyltransferase; Deletions (Kato, C. (72) 299)

Soluble methane monooxygenase gene
Obligate methanotroph (Pilkington, S.J. (72) 345)

Sonication
Mycobacteria; DNA-DNA hybridization; DNA probes (Rahav, G. (72) 29)

Spore
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Sporosarcina
Spore; Acid-soluble protein (Magill, N.G. (72) 293)

Streptococcus equisimilis
Streptokinase; *skc* Gene; Campbell-like integration; Expression (Müller, J. (72) 75)

Streptococcus sanguis
Streptococcus spp.; Infective endocarditis (Douglas, C.W.I. (72) 63)

***Streptococcus* spp.**
Streptococcus sanguis; Infective endocarditis (Douglas, C.W.I. (72) 63)

Streptokinase
Streptococcus equisimilis; *skc* Gene; Campbell-like integration; Expression (Müller, J. (72) 75)

Streptomyces ambofaciens
Macrorestriction pattern analysis; Pulsed-field gel electrophoresis; Concatemeric linear molecule; Genome size; Intraspecific polymorphism (Leblond, P. (72) 79)

Synaptosome
Botulinum neurotoxin; Monoclonal antibody (Park, M.K. (72) 243)

Syringomycin production
Pseudomonas syringae pv. *syringae*; Cysteine mutant strain; Wild type strain (Garriga, X. (72) 177)

Temperature
Ethanol; Fermentation; *Pachysolen tannophilus*; Pentose; Yeast; Xylitol; Xylose (De F.S. Barbosa, M. (72) 35)

Tetracycline resistance
Enterococcus faecalis; Chromosome; Plasmid; Conjugative transposon (Horaud, T. (72) 189)

Thermus
Plasmid vector; Transformation; Tryptophan synthetase gene (Koyama, Y. (72) 97)

TMS-19-Q
Macrolide antibiotic; Bactericidal effect; Irreversible binding (Endou, K. (72) 93)

Toxicity
Listeria; Hepatocyte; Pathogenicity; *Listeria monocytogenes*; *Listeria ivanovii* (Huang, J.C. (72) 249)

Toxoplasma gondii
Nucleoside triphosphate hydrolase; ATPase; ADPase (Asai, T. (72) 89)

Transcriptional fusion
E. coli genes; *lon* Gene; *dnaKJ* Gene; *groESL* Gene; *htpG* Gene; β-Galactosidase; CAT (Wetzstein, M. (72) 55)

Transfection
Electroporation; *Escherichia coli*; Lambda phage (Powell, R. (72) 225)

Transformation
Thermus; Plasmid vector; Tryptophan synthetase gene (Koyama, Y. (72) 97)

Bacillus cereus; Plasmid (Sabelnikov, A.G. (72) 123)

Transformation efficiency
Electroporation (Hermans, J. (72) 221)

Transport
Rhamnose; Gene product; *Escherichia coli* (Baldomá, L. (72) 103)

Trypsin-like protease
Haemin; *Porphyromonas gingivalis* (Harper, S.U.F. (72) 169)

Tryptophan synthetase gene
Thermus; Plasmid vector; Transformation (Koyama, Y. (72) 97)

Tyrosine conversion
L-DOPA; Intermittent feeding (Chattopadhyay, S. (72) 195)

Ureidoglycollate lyase
Peroxisome; Uricase; Allantoinase; Allantoicase; Uric acid; *Candida famata* (Large, P.J. (72) 303)

Uric acid
Peroxisome; Uricase; Allantoinase; Allantoicase; Ureidoglycollate lyase; *Candida famata* (Large, P.J. (72) 303)

Uricase
Peroxisome; Allantoinase; Allantoicase; Ureidoglycollate lyase; Uric acid; *Candida famata* (Large, P.J. (72) 303)

UTP
Repression; Feedback; CPSase-ATCase (Potier, S. (72) 215)

Virulence
Bacteroides gingivalis; Neutrophil (Kay, H.M. (72) 69)

Water-borne disease
Great Bay estuary; Shellfish-borne disease; Bacterial pathogen; Environmental isolation (O'Neill, K.R. (72) 113)

Wild type strain
Syringomycin production; *Pseudomonas syringae* pv. *syringae*; Cysteine mutant strain (Garriga, X. (72) 177)

Xylitol
Ethanol; Fermentation; *Pachysolen tannophilus*; Pentose; Temperature; Yeast; Xylose (De F.S. Barbosa, M. (72) 35)

Xylose
Ethanol; Fermentation; *Pachysolen tannophilus*; Pentose; Temperature; Yeast; Xylitol (De F.S. Barbosa, M. (72) 35)

β-Xylosidase
Rumen; Anaerobic fungus; *Neocallimastix frontalis* (Hebraud, M. (72) 11)

Yeast
Ethanol; Fermentation; *Pachysolen tannophilus*; Pentose; Temperature; Xylitol; Xylose (De F.S. Barbosa, M. (72) 35)

Zymotype
Acinetobacter; Electrotype; Esterase; Epidemiology (Picard, B. (72) 229)